

GEOMETRY 2015-2016

MR. JAMES WOLVERTON

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Welcome to a great year of mathematical thinking! I'm looking forward to being your teacher. Mathematics, much like the fine arts or a language, is beautiful, engaging, and thought-provoking while involving work, symbols, representation of the natural world, and both sides of your brain. To be successful, you'll need time to think, grapple, MAKE MISTAKES, question, and put in EFFORT to grow. Good luck and skill!

Course Description:

This one-year course reinforces the study of algebraic concepts with the exploration of the following geometric relationships: points, lines, planes, polygons, circles, 3-D figures, the concepts of proportion, similarity and congruence, area and volume, and geometric probability. The course involves investigations, logical thinking and problem-solving leading to conjectures formalized in methods of proof.

Units of Study*****

1st semester – Agile Mind units 1-13

2nd semester – Agile Mind units 14-

***** Order and content are subject to change due to students' needs and timelines.

Assessment and Evaluation:

Student learning will be assessed and transformed into a letter grade in the following manner:

60% Assessments & Projects

✓ Tests, quizzes, self-evaluation, projects like the Geo Snapshot, final exams., etc.

40% In-class work & Homework & Participation

✓ Daily work, frequent skill practice, partner work, group work, and weekly Enter-Exit Slips. Activity participation can also often assessed. Note: **Unfinished work in class** also will become HOMEWORK. Homework will be typically be assigned on Mondays and due the next Monday. This gives you a week to figure out how to plan math homework in your busy life. Also, most homework will be AgileMind based and requires the Internet. PLEASE communicate with me if you are having difficulty accessing the homework at home or at our library.

Squalicum math department grading scale:

A (93-100%) A- (90-92.9%) B+ (87-89.9%) B (83-86.9%)
B- (80-82.9%) C+ (77-79.9%) C (73-76.9%) C- (70-72.9%) ...

STORM MATH LAB/extra help:

I'm available to give you extra help should – my priority is your success. But you have a BIG part in that success -- you may need to communicate with me and/or set up **appointments** for extra help. But, I will have regular **STORM MATH LAB** times designed to support you as a mathematician and a student, should you choose to take advantage of them. You are invited to use this time to study, make-up work, revise or take tests, learn or review math concepts, tutor other students, or ask questions as time allows. **STORM MATH LAB** is on **TUESDAYS** AFTER SCHOOL (2:15-3:30) and on **WEDNESDAYS** AT LUNCH (1st & 2nd). Please note that cramming in extra help at the end of the semester may not work. Plan to come early if you're struggling!

attendance:

Attendance in this class is critical to your success. If you must be absent, it is always advisable to communicate with me after. You will find class assignments and activity posted on our Class OneNote (see below). Extra copies of work are also kept in class in the file bin near the supplies. Tardies are dealt with as per SqHS policy. ☺

late assignments:

Simply plan on getting your quality work done on time and work hard in class. If you are absent it is difficult – we won't stop learning while you are catching up. Plus, there are some items that can only be made up with me personally. Generally, I will accept late work until the end of a quarter, but you may not receive full credit on your work. Expect to turn in ALL your AgileMind work at the end of a unit/section. I'll do my best to remind you, AND it will be on our Class OneNote.

Class website/Activity calendar/grade updates:

You will have access to a GEOMETRY OneNote class notebook with all sorts of goodies. I also have a website (**jameswolvertton.com**), which will (hopefully) lead you to our class OneNote. It can be very helpful if you are absent or if you forget a due date. I'll try to post grade updates every 1-2 weeks on Skyward. You may also speak to me in person about grades.

Re-writes or revisions:

If at any time you are not satisfied with a score you received, be it on an assignment, project, or exam you may REVISE or REWRITE it afterschool with me. Revisions (making changes to your answers) amount to half marks for corrections up to a 90%. If you rewrite an exam, you can earn full marks. Simply let me know of your intentions and set-up a time or come in during *Storm Math Lab*.

Required Material (provided by SQHS)

1. **grid paper composition book** (especially for notes).
2. **Binder** for student activity sheets
3. **Pencils (pens are okay, but not advised)**
4. **Internet access** (here or at home)

Not required, but recommended:

Geometric compass & or protractor

